

Table 1. 1998 Summary Statistics

Item	Value	U.S. Rank	Item	Value	U.S. Rank
NERC Region(s)			ECAR/SERC		
Net Exporter or Importer			Exporter		
Primary Generating Fuel			Coal		
Population (as of 7/98)	3,934,310	25	Average Age of Plants (years)		
Average Electricity Price (cents/kWh) ^a	4.16	3	Coal-fired	27	
Industrial	2.91	3	Petroleum-fired	40	
Commercial	5.3	5	Gas-fired	9	
Residential	5.61	3	Hydroelectric	45	
Industry			Nonutility		
Capability (MW)	16,007	20	Capability (MW)	2,012	12
Generation (MWh)	90,936,825	16	Share of Capability (Percent) ...	12.6	15
Capability/person (KWe/person)	4.07	9	Generation (MWh)	4,785,704	19
Generation/person (MWh/person)	23.11	6	Share of Generation (Percent) ...	5.3	32
Emissions (Thousand Short Tons)					
Sulfur Dioxide	739	5			
Nitrogen Oxide	328	7			
Carbon Dioxide	91,233	6			
Sulfur Dioxide/sq. mile (Tons)	18.59	6			
Nitrogen Oxides/sq. mile (Tons)	8.27	5			
Carbon Dioxide/sq. mile (Tons)	2,296.21	13			

Table 2. Five Largest Plants, 1998

Plant	Energy Source ^b	Operating Company	Net Capability (MW)	Age (Years)
1. Paradise	Coal	Tennessee Valley Authority	2,169	35
2. Ghent	Coal	Kentucky Utilities Co	1,968	24
3. Mill Creek	Coal	Louisville Gas & Electric Co	1,470	26
4. Shawnee	Coal	Tennessee Valley Authority	1,330	45
5. E W Brown	Coal, Gas	Kentucky Utilities Co	1,147	41

**Table 3. Top Five Utilities Ranked by Retail Sales Revenue Within the State, 1998
(Million Dollars)**

Utility	All Sectors	Residential	Commercial	Industrial	Other
A. Kentucky Utilities Company	604	221	150	177	56
B. Louisville Gas & Electric Co	553	213	171	113	55
C. Kentucky Power Company	260	105	60	94	1
D. Union Light, Heat & Power Co	190	72	56	44	19
E. Tennessee Valley Authority	165	--	--	163	2
Total	1,771	611	436	592	133
Percentage of Utility Sales	56	50	65	53	89

**Table 4. Electric Power Industry Generating Capability by Plant Type, 1988, 1993, and 1998
(Megawatts Electric)**

Plant Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility	15,043	15,297	13,995	-0.8	100.0	100.0	100.0
Coal-fired	13,839	14,093	12,517	-1.1	92.0	92.1	89.4
Petroleum-fired	124	134	70	-6.2	0.8	0.9	0.5
Gas-fired	207	207	92	-8.6	1.4	1.4	0.7
Dual-fired	78	68	508	23.1	0.5	0.4	3.6
Hydroelectric	795	795	808	0.2	5.3	5.2	5.8
Total Nonutility	W	W	2,012	--	--	--	--
Industry	W	W	16,007	--	--	--	--

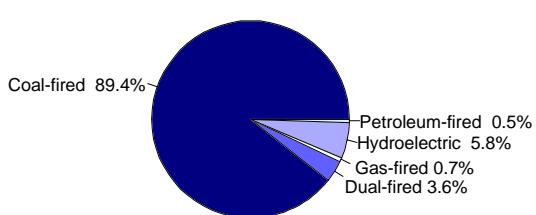
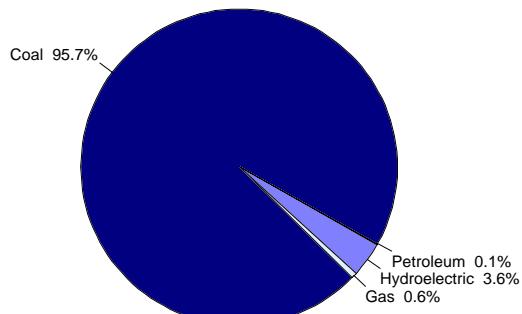
Figure 1. Utility Generating Capability by Plant Type, 1998**Figure 2. Utility Generation by Primary Energy Source, 1998**

Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1988, 1993, and 1998
(Megawatthours)

Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility	76,436,044	84,997,718	86,151,121	1.3	100.0	100.0	100.0
Coal	73,847,433	81,722,246	82,412,216	1.2	96.6	96.1	95.7
Petroleum	125,609	96,727	127,062	0.1	0.2	0.1	0.1
Gas	40,214	23,632	495,825	32.2	0.1	*	0.6
Hydroelectric	2,422,787	3,155,113	3,116,018	2.8	3.2	3.7	3.6
Total Nonutility	W	W	4,785,704	--	--	--	--
Industry	W	W	90,936,825	--	--	--	--

Table 6. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988, 1993, and 1998
(Cents per Million Btu, 1998 Dollars)

Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Coal	119.8	116.7	105.9	-1.3
Petroleum	384.6	437.8	383.3	*
Gas	246.0	301.1	331.9	3.4

Table 7. Electric Power Industry Emissions Estimates, 1988, 1993, and 1998
(Thousand Short Tons)

Emission Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Sulfur Dioxide	736	979	739	*
Nitrogen Oxides ^c	334	356	329	-0.2
Carbon Dioxide ^c	75,261	84,590	91,233	2.2

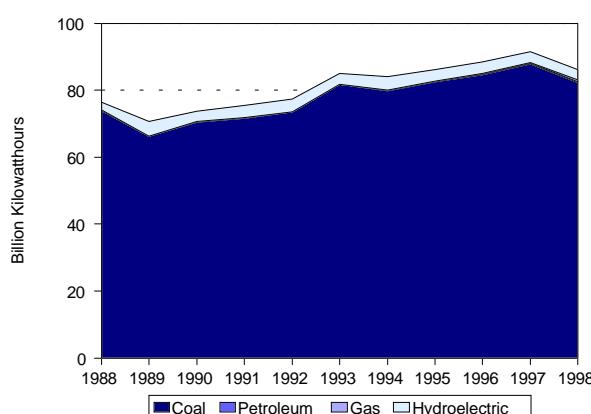
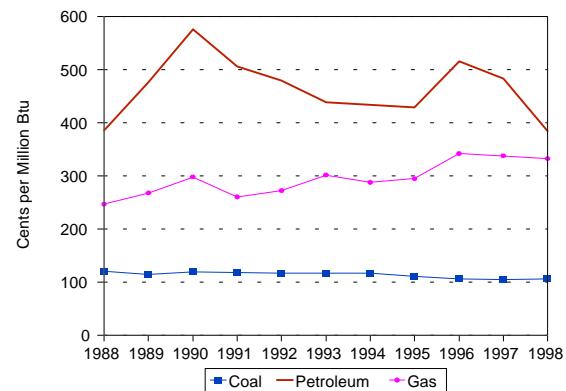
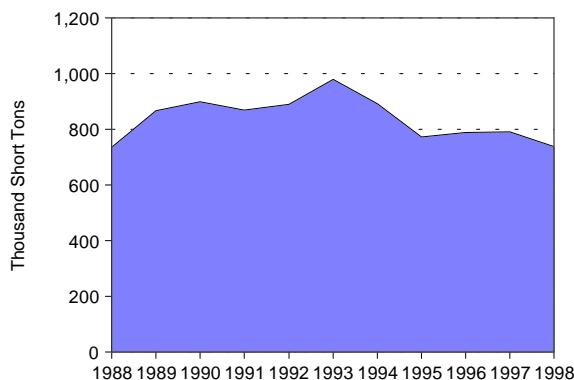
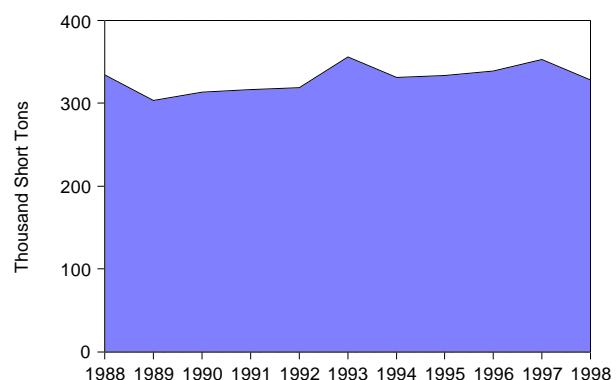
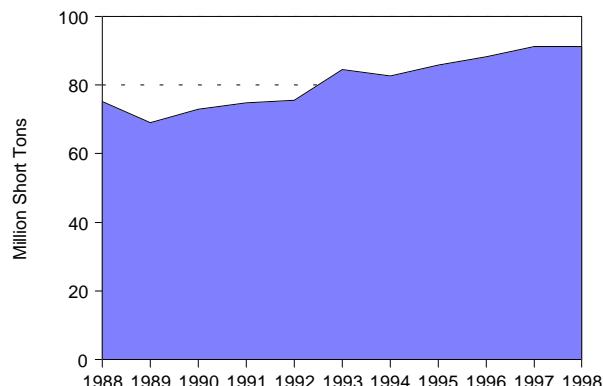
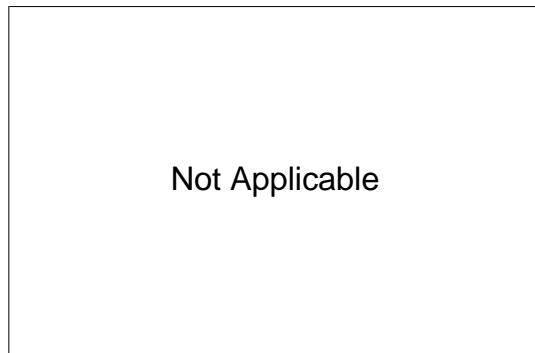
Figure 3. Utility Generation of Electricity by Primary Energy Source, 1988-1998**Figure 4. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988-1998**
(1998 Dollars)

Figure 5. Estimated Sulfur Dioxide Emissions, 1988-1998**Figure 6. Estimated Nitrogen Oxide Emissions, 1988-1998****Figure 7. Estimated Carbon Dioxide Emissions, 1988-1998****Table 8. Utility Retail Sales by Sector, 1988, 1993, and 1998 (Megawatthours)**

Sector	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Residential . . .	16,810,999	19,223,127	21,669,405	2.9	31.1	28.2	28.6
Commercial . . .	8,439,226	9,828,936	12,728,800	4.7	15.6	14.4	16.8
Industrial	26,446,283	36,320,037	38,259,679	4.2	48.9	53.3	50.4
Other	2,381,681	2,777,084	3,192,427	3.3	4.4	4.1	4.2
Total	54,078,192	68,149,184	75,850,311	3.8	100.0	100.0	100.0

Figure 8. Nuclear Power Capacity Factor Comparison, 1988-1998**Table 9. Utility Retail Sales Statistics, 1988, 1993, and 1998**

Item	Investor-Owned	Public	Federal	Cooperative	Total
	1988				
Number of Utilities	5	31	1	27	64
Number of Retail Customers	944,075	182,722	21	511,332	1,638,150
Retail Sales (MWh)	32,181,417	4,802,774	2,202,550	14,891,451	54,078,192
Percentage of Retail Sales	59.5	8.9	4.1	27.5	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	1,765	307	421	1,026	3,518
Percentage of Revenue	50.2	8.7	12.0	29.2	100.0
1993					
Number of Utilities	6	30	1	27	64
Number of Retail Customers	1,012,513	187,647	22	578,394	1,778,576
Retail Sales (MWh)	43,248,103	5,277,434	2,184,164	17,439,483	68,149,184
Percentage of Retail Sales	63.5	7.7	3.2	25.6	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	1,836	285	168	951	3,241
Percentage of Revenue	56.7	8.8	5.2	29.3	100.0
1998					
Number of Utilities	6	30	1	26	63
Number of Retail Customers	1,095,461	196,710	22	663,311	1,955,504
Retail Sales (MWh)	42,399,144	6,315,631	6,813,655	20,321,881	75,850,311
Percentage of Retail Sales	55.9	8.3	9.0	26.8	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	1,726	317	165	947	3,155
Percentage of Revenue	54.7	10.0	5.2	30.0	100.0